

iDS-7216HQHI-M1/S TURBO ACUSENSE DVR

Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 24-ch IP camera inputs (up to 6 MP)
- Up to 10 TB capacity per HDD



















Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Full channel recording at up to 1080p resolution

Storage and Playback

• Smart search for efficient playback

Smart Function

- Deep learning-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable



Specification

Motion Detection 2.0		
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels,	
	it can classify human and vehicle, and extremely reduce false alarms caused by objects	
	like leaves and lights;	
	Quick search by object or event type is supported;	
Perimeter Protection		
Human/Vehicle Analysis	Up to 4-ch	
Facial Detection		
Facial Detection and Capture	Face picture detection, face picture search	
Recording		
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
	When 1080p Lite mode is not enabled:	
Encoding Resolution	3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF;	
	When 1080p Lite mode is enabled:	
	3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF	
	Main stream:	
	When 1080p Lite mode not enabled:	
	For 3K stream access: 3K lite@12fps;4 MP	
	lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps	
	For 5 MP stream access: 5 MP lite@12fps;4 MP	
	lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps	
	For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps	
Frame Rate	(P)/30fps (N)	
Traine Nate	For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps	
	(N)	
	For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)	
	When 1080p Lite mode enabled:	
	3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p	
	lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)	
	Sub-stream:	
	WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)	
Video Bitrate	32 Kbps to 6 Mbps	
Dual-stream	Support	
Stream Type	Video, Video & Audio	
Audio Compression	G.711u	



Audio Bitrate	64 Kbps	
Video and Audio		
IP Video Input	2-ch (up to 18-ch)	
	Up to 6 MP resolution	
	Enhanced IP mode on:	
	8-ch (up to 24-ch), each up to 4 Mbps	
	;Support H.265+/H.265/H.264+/H.264 IP cameras	
Analog Video Input	16-ch;BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
HDMI Output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 ×	
	1024/60Hz, 1280 × 720/60Hz	
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
CVBS Input	PAL/NTSC	
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω),	
	resolution: PAL: 704 × 576, NTSC: 704 × 480	
Synchronous playback	16-ch	
HDTVI Input	3K(2960 x 1665)@20 fps, 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@30 fps, 4	
Tibivimput	MP(2560 × 1440)@25 fps,1080p@30 fps, 1080p@25 fps,720p@30 fps, 720p@25 fps	
AHD Input	5 MP(2560 × 1944)@20 fps,4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps,	
	1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps	
HDCVI Input	5 MP(2592 × 1944)@20 fps,4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps,	
Tibevi input	1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps	
Audio Output	1-ch, RCA (Linear, 1 KΩ)	
Audio Input	1	
Audio Input	1	
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 $K\Omega$) (using the first audio input)	
Network		
Total Bandwidth	128 Mbps	
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS,	
NELWOLK LIOLOCOL	ONVIF	
Remote Connection	128	
Network Interface	1,RJ45 10M/100M/1000M self-adaptive	
	Ethernet interface	
Auxiliary Interface		
SATA	1 SATA interface	
Capacity	Up to 10 TB capacity for each disk	
Serial Interface	rial Interface RS-485 (half-duplex)	



USB Interface	1 × USB 2.0; face 1 × USB 3.0	
Alarm In/Out	N/A	
General		
Power Supply	12 VDC	
Consumption	≤ 24 W	
Working Temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Working Humidity	10% to 90%	
Dimension (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	
Weight	≤ 2 kg (4.4 lb)	

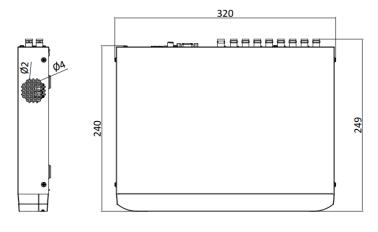
Note:

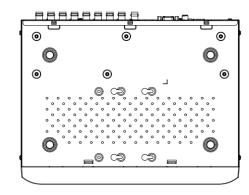
- 1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
- 2: Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.
- 3: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.



Dimension









scale/1:1;Unit/mm

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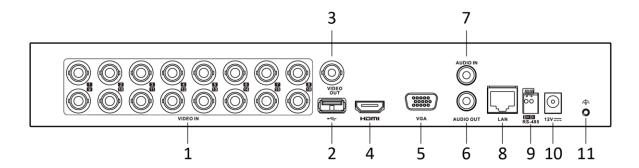








Physical Interface



No.	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		

Available Model

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